Amendments To The Specification:

Please add a first heading of the specification after the title and before the first full paragraph on page 1:

Technical Field

Please replace the first full paragraph on page 1 with the following amended paragraph:

The invention relates to adjustable hinge assemblies, and particularly but not exclusively to <u>an</u> adjustable hinge <u>assembly</u> <u>assemblies</u> for pivotally securing a tailgate, door, or other closure [[or]] of a vehicle to <u>a portion of part of</u> the vehicle body structure.

Please add a second heading of the specification after the first full paragraph on page 1:

Background Of The Invention

Please replace the second full paragraph on page 1 with the following amended paragraph:

Typically, the doors or tailgate of a vehicle, particularly a motor vehicle, are pivotally connected to the body structure by means of two or more hinges. Usually, these hinges have one plane of adjustment between the hinge and the body structure and one plane of adjustment between the hinge and the door or closure. Because the hinge is normally first attached to the closure first and then to the body structure, there is only one plane of adjustment unless the fasteners, fixings which have already been tightened, are released and then re-tightened. This release and re-tightening process often introduces errors in the positioning of the closure and is also time consuming and disruptive in a production line environment.

Please replace the third full paragraph on page 1 with the following amended paragraph:

EP-A-1094184 shows a hinge assembly which attempts to overcome the above problems. The hinge assembly includes an adjustment nut, a locking screw, and a hinge member. The adjustment nut comprises comprising a clamp face, which faces one side of a flange on the vehicle body structure. [[and a]] The locking screw has having a head, which can clamp onto the other side of the flange, and a shank, which extends through the flange and engages an internal

screw thread in the nut. The nut also has an external screw thread which engages an internal thread in the [[a]] hinge member and thus [[this]] provides an adjustment means in the axial direction of the nut. However, when the screw is tightened to clamp the nut to the flange, the hinge member remains loose on its threads on the nut. While Although the hinge member cannot rotate, this looseness can, over a period of time, cause fretting corrosion and other problems which would not arise if all components were firmly clamped.

Please add a third heading of the specification after the third full paragraph on page 1:

Summary Of The Invention

Please replace the fourth full paragraph on page 1 with the following amended paragraph:

It is an object of the present invention to provide The present invention provides an improved hinge assembly where the above problems are prevented or alleviated.

Please replace the first full paragraph on page 2 with the following amended paragraph:

According to a first aspect of the invention there is provided In one embodiment of the invention, a hinge assembly is provided for pivotally connecting a closure member to a support structure. The hinge assembly comprises a first hinge member, a second hinge member, a pivot means pivotally coupling the first hinge member to the second hinge member, and an adjustment means carried by the second hinge member. , the hinge assembly comprising a The first hinge member is utilized for fastening to one of the closure member and the support structure. [[, a]] The second hinge member is utilized for fastening to a flange on the other of the support structure and the closure member. , pivot means pivotally connecting the first hinge member to the second hinge member and an adjustment device carried by the second hinge member to connect The adjustment means connects the second hinge member to the flange and allows adjustment of in a manner which allows adjustment of the position of the second hinge member with respect to the flange, , the adjustment device comprising The adjustment device comprises an adjustment nut and a locking screw. The adjustment nut has having a first clamp face, which in use faces one side of the flange, [[and a]] Further, the locking screw has having a head defining a second clamp face, which in use faces the other side of the flange, and a shank, which

in use extends through an aperture in the flange. , wherein the Moreover, the second hinge member comprises a cylindrical shank portion having [[with]] a concentric bore with and having internal and external screw threads. [[, the]] The adjustment nut has a screw thread engaged with the external screw thread of the cylindrical shank portion. and the The locking screw has a screw thread engaged with the internal screw thread of the cylindrical shank portion.

Please replace the second full paragraph on page 2 with the following amended paragraph:

Preferably, the external screw thread of the cylindrical shank portion and the screw thread of the adjustment nut are of the opposite hand to the internal screw thread of the cylindrical shank portion and the screw thread of the locking screw. , in which case In particular, for convenience in use, the external screw thread of the cylindrical shank portion and the screw thread of the adjustment nut preferably are conveniently left-hand, and the internal screw thread of the cylindrical shank portion and the screw thread of the locking screw are right-hand.

Please replace the third full paragraph on page 2 with the following amended paragraph:

The hinge assembly may further comprise In this embodiment, the hinge assembly further comprises a friction means on one of the locking screw and the adjustment nut for providing a driving torque between the locking screw and the adjustment nut.

Please replace the first full paragraph on page 3 with the following amended paragraph:

The adjustment nut may be provided with Also, in this embodiment, the adjustment nut includes a drive means used to facilitate rotation of the adjustment nut during adjustment of the hinge assembly. The drive means may be in a bore of the adjustment nut and preferably is a hexagonal shaped portion of the bore.

Please replace the second full paragraph on page 3 with the following amended paragraph:

The invention also provides, according to a second aspect thereof, In a second embodiment of the invention, a motor vehicle having a body structure and a closure member , the elosure member being connected to the body structure by the hinge assembly in accordance with the above. said first aspect of the invention. In such a case, the flange on the said other of the support structure and the closure member conveniently. In such a case, the flange comprises two spaced apart flange members defining a cavity therebetween. [[, the]] The adjustment nut is being positioned so as to react against one of the flange members, and the locking screw is being arranged so as to react against the other of the two flange members. [[A]] In this embodiment, a tubular spacer may be positioned in the cavity between the flange members to react a clamping force applied to the flange members by the locking screw and the adjustment nut.

Please replace the third full paragraph on page 3 with the following amended paragraph:

The invention also provides, according to a third aspect thereof a method of Yet another embodiment of the invention is a method for attaching a closure member to a body structure of a motor vehicle in accordance with the above. said second aspect of the invention, the method comprising the steps of The method comprises supplying the first hinge member, the second hinge member, and the adjustment nut with the first hinge member and the second hinge member pivotally connected by the pivot means and the adjustment nut threaded onto the cylindrical shank portion. [[,]] The method further includes the step of aligning the cylindrical shank portion with the aperture in the flange to conform to the required position of the closure member relative to the body structure. [[,]] Another step comprises rotating the adjustment nut on the cylindrical shank portion to conform to said required position. [[and]] Yet another step comprises inserting the locking screw through the aperture in the flange to engage the adjustment nut. [[and]] The final step includes rotating the locking screw to clamp the hinge assembly to the flange.

Please replace the fourth paragraph beginning on page 3 with the following amended paragraph:

Preferably, the closure member is positioned and held in [[said]] the required position prior to rotating the adjustment nut on the cylindrical shank portion to conform to [[said]] the required position. [[, the]] The adjustment nut is then being rotated to bring the first clamp face into supporting contact with the flange. The closure member may be held in the required position by an assembly fixture to which it is releasably attached.

Please replace the first full paragraph on page 4 with the following amended paragraph:

Preferably, the adjustment nut is rotated until a pre-determined tightening torque is reached. Conveniently, when the hinge assembly comprises friction means on one of the locking screw and the adjustment nut for providing a driving torque between the locking screw and the adjustment nut. [[, the]] <u>The</u> adjustment nut is rotated by said friction means during the rotation of the locking screw.

Please add a fourth heading of the specification after the first full paragraph on page 4:

Brief Description Of The Drawings

Please replace the second full paragraph on page 4 with the following amended paragraph:

The invention will now be described by way of example with reference to the to accompanying drawings: , of which:

Figure 1 is a side elevation view of a motor vehicle incorporating a hinge assembly according to one embodiment of the invention;

Figure 2 is an enlarged cross-sectional view of the motor vehicle shown in Figure 1, as taken from the region encircled at A and showing the hinge assembly;

Figure 3 is a perspective view of a portion of the hinge assembly shown in Figure 1;

Figure 4 is a perspective view of the hinge assembly in Figure 2, as taken in the direction of arrow B according to another embodiment of the invention;

Figure 5 is a perspective view of the hinge assembly in Figure 3, according to yet another embodiment of the invention; and

Figure 6 is a cross-sectional view of the hinge assembly shown in Figure 5, as taken along line VI-VI.

Fig. 1 is a side elevation of a motor vehicle incorporating a hinge assembly according to the invention:

Fig. 2 is a cross section through part of the motor vehicle shown in Fig. 1 in the region encircled at A and showing the hinge assembly;

Fig. 3 is a perspective view of part of the hinge assembly shown in Fig.1:

Fig. 4 is a perspective view in the direction of arrow B in Fig. 2 showing a modification;

Fig. 5 is a perspective view and similar to that of Fig. 3 showing a further modification; and

Fig. 6 is a cross section on the line VI VI in Fig. 5.

Please add a fifth heading of the specification after the second full paragraph on page 4:

Detailed Description Of The Invention

Please replace the third full paragraph on page 4 with the following amended paragraph:

Referring to [[Figs.]] <u>Figures</u> 1 to 3, a motor vehicle 11 has a body structure 12 including a roof 13 to which is hinged an upper tailgate 14 by means of a pair of adjustable hinge assemblies 15. The upper tailgate 14 is supported in the open position by a pair of gas struts 16. A lower tailgate 17 is also provided. Such tailgates 14, 17 and other doors of the vehicle are usually referred to as closure members or simply closures.

Please replace the fourth paragraph beginning on page 4 with the following amended paragraph:

Each hinge assembly 15 comprises a first hinge member 21 pivotally connected to a second hinge member 22, which is fastened to a hollow flange 23 by means of <u>an</u> adjustment device 24 comprising an adjustment nut 25 and a locking screw 26. The hollow flange 23 forms part of the roof 13, which thus acts as a support structure for the hinge assembly 15. The first

hinge member 21 has a base flange 18 by which it is fastened for fastening to the upper tailgate 14 and two lugs 19, which extend from either side of the second hinge member 22 to support a pivot means, in the form of a pivot pin 27 The pivot means is comprised of a pivot pin 27, which extends through the lugs 19 and the second hinge member 22. The adjustment nut 25 has a flange 30 with a lower face 28, which defines a first clamp face facing the upper side of the flange 23 and which carries a sealing gasket 29. The locking screw 26 has a hexagonal head 31 and a solid shank 33. , the underside of which defines The hexagonal head 31 has an underside defining a second clamp face 32 which that faces the lower side of the flange 23. ; and a The solid shank 33 which extends through an aperture 34 in the hollow flange 23.

Please replace the first full paragraph on page 5 with the following amended paragraph:

The second hinge member 22 has a hollow cylindrical shank portion 35 having with an external screw thread 36 and a concentric bore 37 having with an internal screw thread 38. [[, the]] The adjustment nut 25 having has a screw thread 39 engaged with the external screw thread 36 of the hollow shank portion 35. Similarly, the locking screw 26 has a screw thread 41 engaged with the internal screw thread 38 of the hollow shank portion 35.

Please replace the second full paragraph on page 5 with the following amended paragraph:

The adjustment nut 25 has a hexagonal head 40 above the flange 30 and a tubular spigot projecting below the lower face 28 of the flange 30. a hexagon 40 above the flange 30 to act The hexagonal 40 is utilized as a drive means for holding or rotating the nut during assembly and adjustment, and a tubular spigot 42 which projects below the lower face 28 of the flange 30. The Further, the tubular spigot 42 has a plain bore 43, which surrounds a plain shank portion 44 of the locking screw 26. A recess in the bore 43 of the adjustment nut 25 carries a ring 46 (conveniently referred to as a friction ring) of a resilient plastics material which that acts as a friction means for providing a driving torque between the locking screw 26 and the adjustment nut 25.

Please replace the third paragraph beginning on page 5 with the following amended paragraph:

The hollow flange 34 is formed by an upper pressing 51, an intermediate pressing 52, and a lower pressing 53. three pressings, i.e. an upper pressing 51 which The upper pressing 31 forms the outer skin of the roof 13. [[, an]] The intermediate pressing 52 which forms the inner skin of the roof 13 and which is in close contact with the upper pressing 51 in the region of the hollow flange 34. and a The lower pressing 53 which forms part of a tailgate opening in the body structure 12. The upper pressing 51, intermediate pressing 52, and lower pressing 53 are joined at an outer flange 54. The upper pressing 51 and the intermediate pressing 52 thus form an upper flange member 55, which is spaced apart from a lower flange member 56 formed by the lower pressing 53 to define a cavity 57 therebetween. , the adjustment nut 25 being The adjustment nut 25 is positioned to react against the upper flange member 55, and the locking screw 26 being Similarly, the locking screw 26 is arranged so as to react against the lower flange member 56. A tubular spacer 58 is positioned in the cavity 57 between the flange members 55, 56 to react a clamping force applied to the flange members by the locking screw 26 and the adjustment nut 25., the clamping force from the screw being applied The locking screw 26 applies the clamping force through a washer 59 that is sandwiched between the head 31 and the lower flange member 56.

Please replace the second paragraph beginning on page 6 with the following amended paragraph:

Setting of the hinge assembly 15 is as follows. [[The]] As shown in Figure 2, first and second hinge members 21 and 22 are provided as a sub-assembly complete with the pivot pin 27 and with the adjustment nut 25 threaded as far as it will go onto the shank portion 35 of the second hinge member 22. , this being the condition shown in Fig.2. The first hinge member 21 is then fastened to the tailgate 14 using cap screw fasteners 45 inserted through holes 47 in the base flange 18. The tailgate 14 is then moved into a required position corresponding to the correct position of the tailgate relative to the body structure 12 using an assembly fixture (not shown) to which the tailgate is releasably secured. [[The]] In this embodiment, the assembly fixture would typically be is carried by a robot to grasp the tailgate 14 and hold it in the desired position

corresponding to the normal closed position of the tailgate. Normally, during the assembly of the vehicle, this would be done This step preferably is performed during the assembly of the vehicle before painting and before any seals have been put onto the tailgate 14 or onto the body structure. Also, the windows of the vehicle would not be glazed at this stage so there would be Also, this step preferably is performed before the vehicle is glazed so as to provide ready access to the inside of the vehicle for robot arms or human operators to insert and tighten the locking screws 26.

Please replace the first full paragraph on page 7 with the following amended paragraph:

The spigot 42 of the adjustment nut 25 is positioned in the clearance aperture 34 at the time that the tailgate 14 is being brought into its correct position, with the spacer 58 having already been placed in position during fabrication of the body structure 12. The tailgate 14 having been positioned correctly, the hinge assembly 15 is adjusted to ensure that the tailgate 14 will be in the correct position relative to the body structure 12 when the assembly fixture is released. This is done by inserting the locking screw 26, with the washer 59 in place, into the bore 43 of the adjustment nut 25 until the thread 41 engages the friction ring 46. The thread 41 winds into the friction ring 46 with a self- tapping action until the friction grip between the locking screw 26 and the adjustment nut 25 provides sufficient torque for the locking screw 26 to rotate the adjustment nut 25 in the clockwise direction (as viewed in the direction of arrow C in Figure 2). Fig.2). This causes the adjustment nut 25 to move along the shank portion 35 of the second hinge member 22 in the direction away from the pivot pin 22 until the lower face 28 (or rather the gasket 30) engages the upper flange member 55. The locking screw 26 will then continue to rotate without further rotation of the adjustment nut 25 so that the thread 41 winds through the friction ring 46 and engages the internal thread 38 of the adjustment nut 25, thus bringing the To that end, the washer 59 is pressed against [[up to]] the lower flange member 56 and clamping the hinge assembly 15 to the flange 23. After the locking screw 26 has been tightened to the required torque, the tailgate 14 is released from the assembly fixture to allow it to rotate normally with respect to the body structure 12.

Please replace the second paragraph beginning on page 7 with the following amended paragraph:

The clearance between the spigot 42 of the adjustment nut 25 and the aperture 34 in the hollow flange 34 is normally sufficient to allow the assembly fixture to move the tailgate 14 into the correct longitudinal and lateral positions when the spigot 42 is located in the aperture 34. If minor adjustments are required to the hinge assembly 15 during the service life of the vehicle 11, then the hexagon 40 on the adjustment nut 25 can be used to rotate the adjustment nut 25.

Please replace the first full paragraph on page 8 with the following amended paragraph:

By providing the first and second hinge members 21 as a sub-assembly with the adjustment nut 25 threaded as far as it will go onto the cylindrical shank portion 35 of the second hinge member 22, the threads 36 and 38 are protected during transport and handling. Furthermore, because the locking screw 26 acts directly on the second hinge member 24, it not only acts to tighten its own thread 41 with the internal thread 38 of the second hinge member 22 but also acts to tighten and also tightens the external thread 36 of the second hinge member 22 with the thread 39 of the adjustment nut 24. so that In this way, all the components of the adjustment device 24 are firmly clamped.

Please replace the second full paragraph on page 8 with the following amended paragraph:

Other It is contemplated that other friction means may be employed instead of the friction ring 46. For example, the shank 33 of the locking screw 26 may be coated with a plastics material or may be sleeved by a tube of such material, e.g. by heat shrinking. This would enable the use of a plain bore in the adjustment nut 25 without the recess for the friction ring 46. A metal collar incorporating a spring grip device could also be used. Such [[a]] collars are sometimes used in self-adjusting spacing collar devices of the kind shown in US-A-4682906.

Please replace the third paragraph beginning on page 8 with the following amended paragraph:

In the modification shown in Fig.4 In the embodiment shown in Figure 4, similar or identical parts carry the same part number as those in Figs. 1 to 3 Figures 1 through 3 with the addition of 100. The adjustment nut 125 differs in that the there is no friction ring 46 [[but]] and also that the bore of the spigot 142 has a drive means in the form of a hexagonal shaped socket portion 161 to facilitate rotation of the adjustment nut 130. This means that instead of using the locking screw 26 In this regard, the locking screw 26 is not utilized to bring the adjustment nut to the required position. Rather, a hexagonal shaped driver is inserted into the hexagonal shaped socket portion 161 to rotate the adjustment nut 125 until the gasket 29 engages the upper flange member and a pre-determined torque has been reached. The hexagonal shaped driver is then removed and the locking screw 26 is inserted into the adjustment nut 125 and tightened as detailed above. before. Other drive means, e.g. splines, could be provided instead of the hexagonal drive means. In this modification, the use of left and right-hand threads is not essential but it remains a useful feature if there should be any is beneficial when there is friction between the locking screw 26 and the adjustment nut 130, which might otherwise induce the adjustment nut to unwind when the locking screw is inserted and tightened. It will be appreciated that the setting of the adjustment nut 125 by the hexagonal shaped driver can be carried out with the tailgate 14 closed.

Please replace the first full paragraph on page 9 with the following amended paragraph:

In the further modification shown in Figs.5 and 6 In another embodiment shown in Figures 5 and 6, similar or identical parts carry the same part number as those in Figures 1 through 3 Figs.1 to 3 with the addition of 200. The adjustment nut 225 again differs in that the there is no friction ring 46 and the bore of the spigot 242 again has a drive means in the form of a hexagonal shaped socket portion 261 to facilitate rotation of the adjustment nut 30. There is no hexagon corresponding to the hexagon 40 above the flange 230 since this is not required for assembly purposes and similar techniques can be adopted during service or repair. An earthing strap A grounding strap 262 is provided to ensure a good electrical connection between the hinge portions 221 and 222 and this is secured by serrated drive rivets 263.

Please replace the second full paragraph on page 9 with the following amended paragraph:

Although the invention has been described with specific reference to a top hinged tailgate, it will be appreciated that it is equally applicable to the fixing of doors and other closures on both motor vehicle and other structures requiring accurate setting of the closure relative to the support structure. Furthermore, the second hinge member could be fastened to either the support structure or the closure member depending upon the situation with a corresponding fastening of the first hinge member to the closure member or to the support structure. It will also be appreciated that the invention is equally applicable to combination or multi-link (e. g. pantograph) hinges having several hinge members interposed between the closure member and its support structure.